

Fig. 1

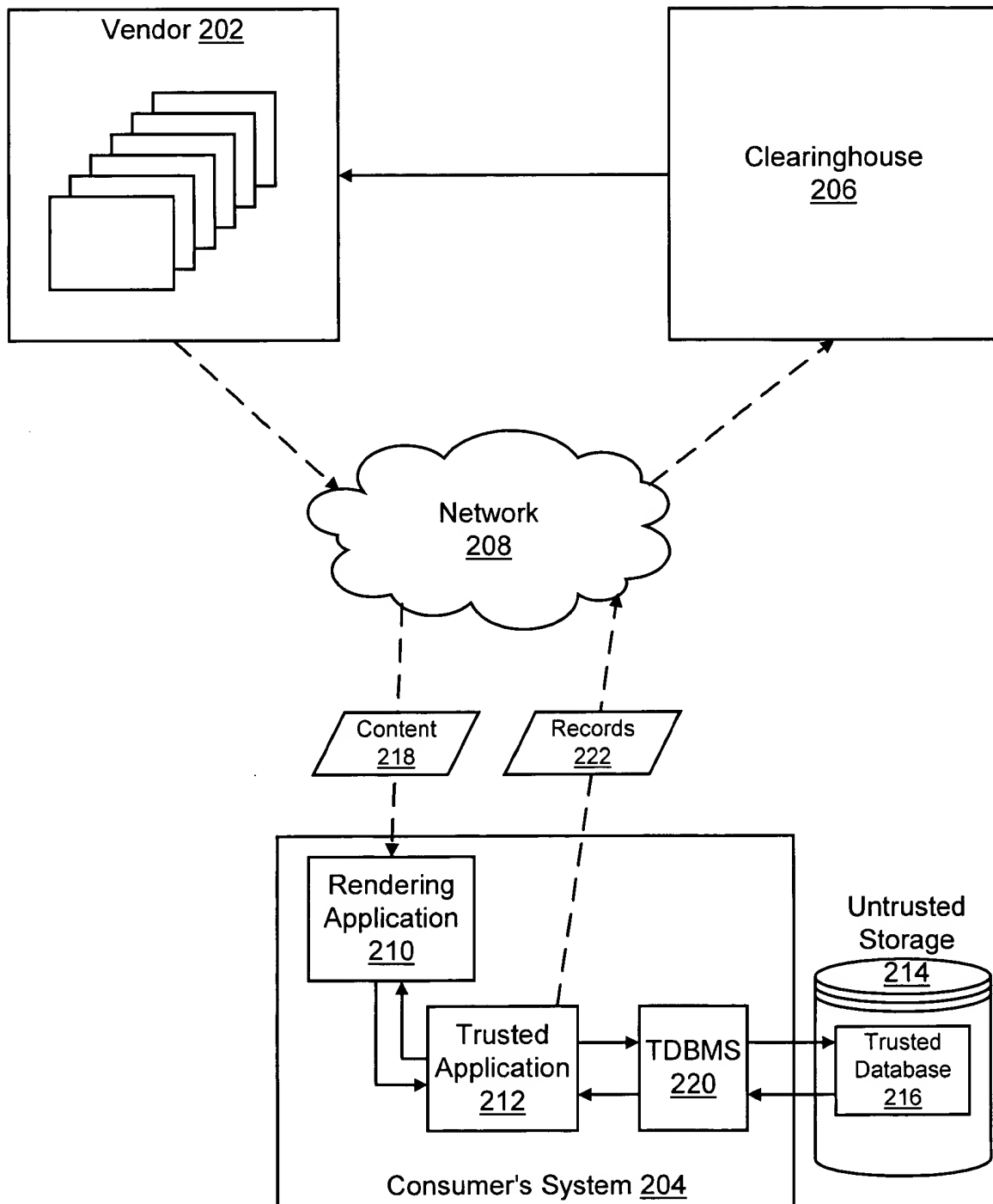


Fig. 2

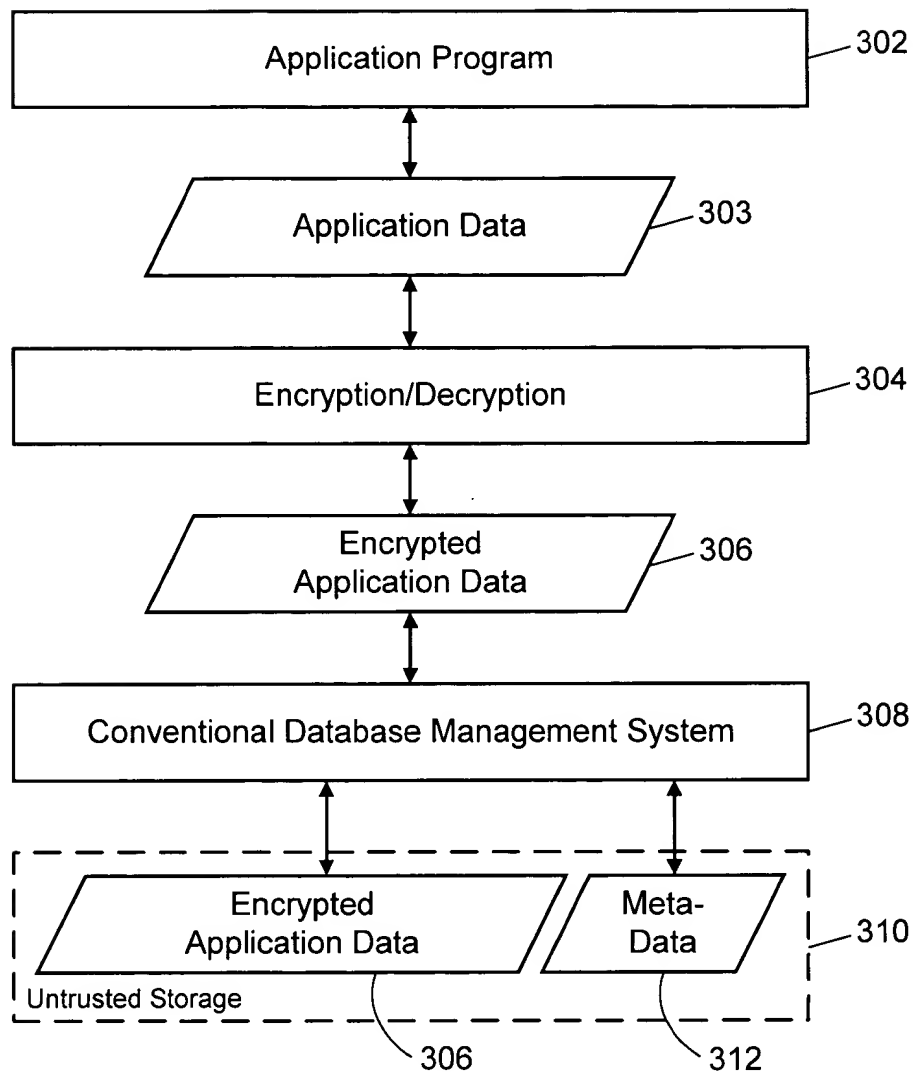


Fig. 3A

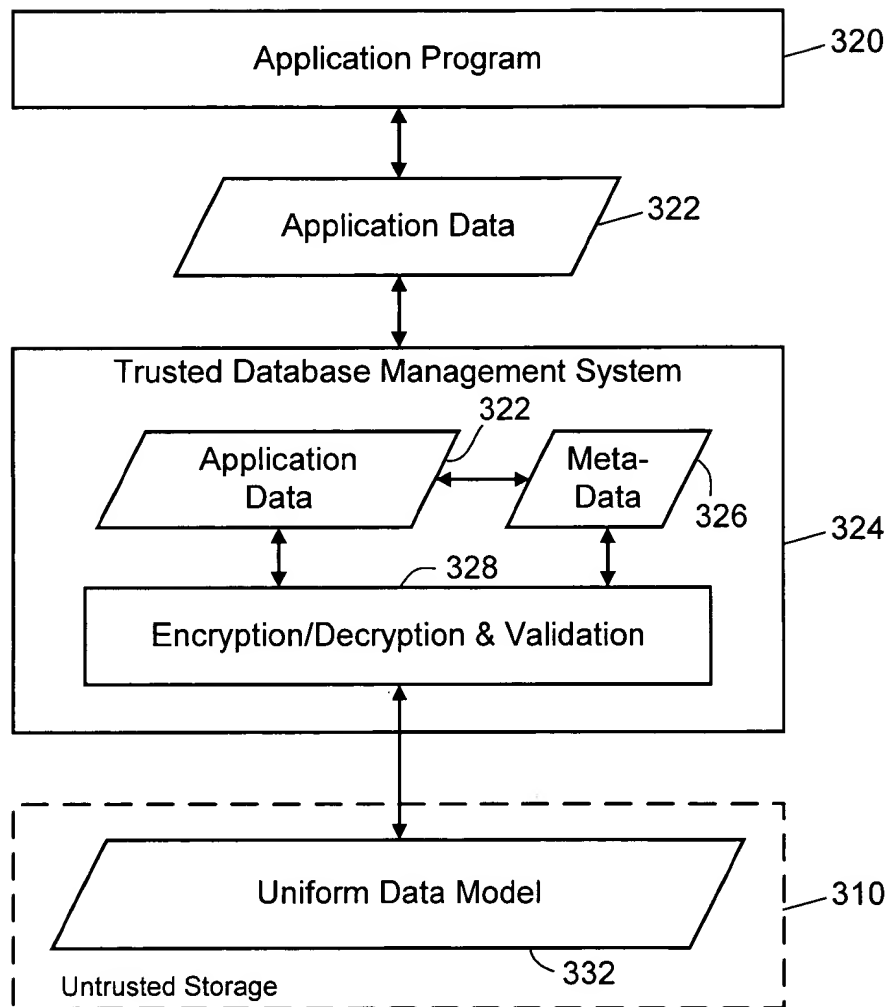


Fig. 3B

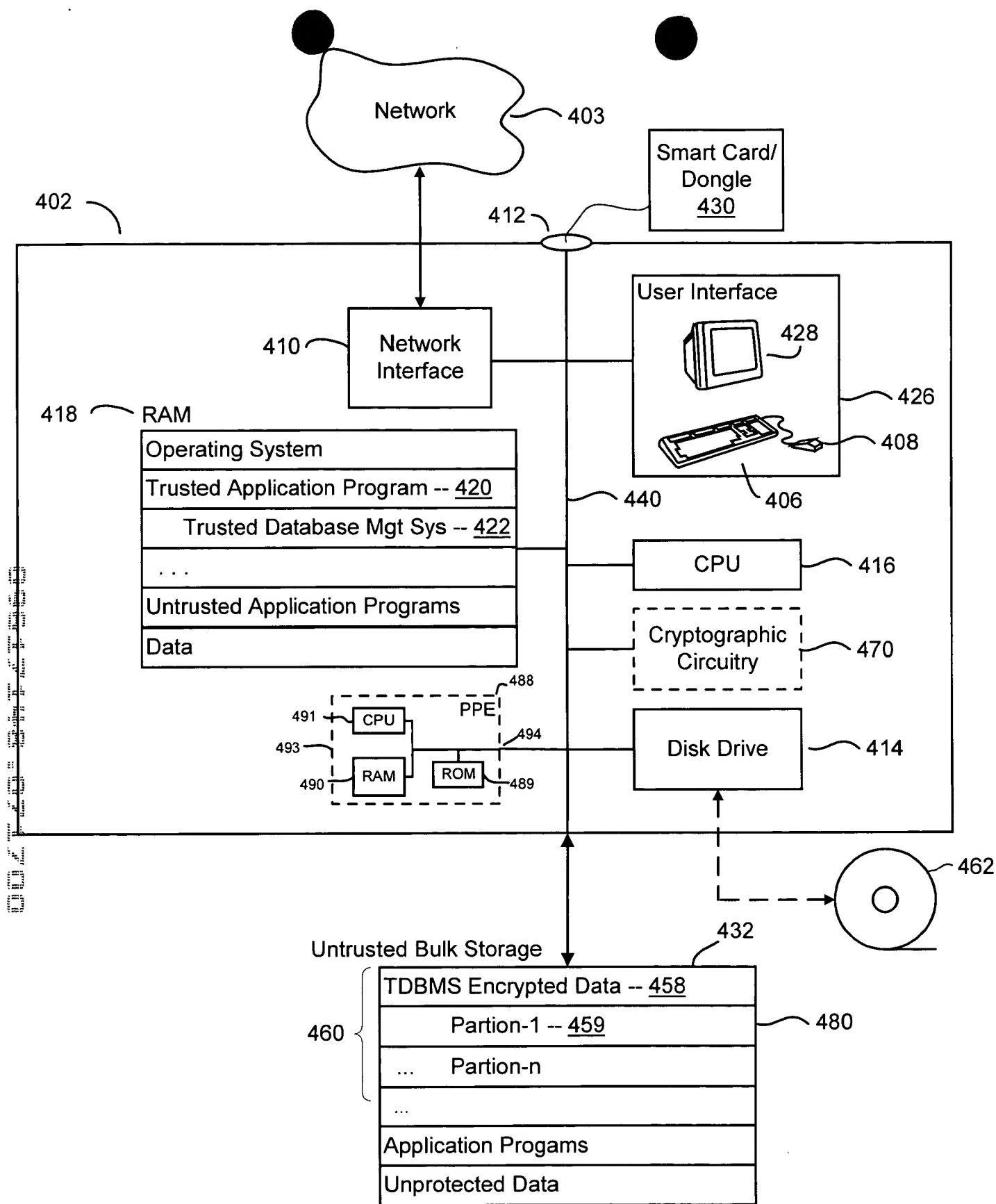


Fig. 4

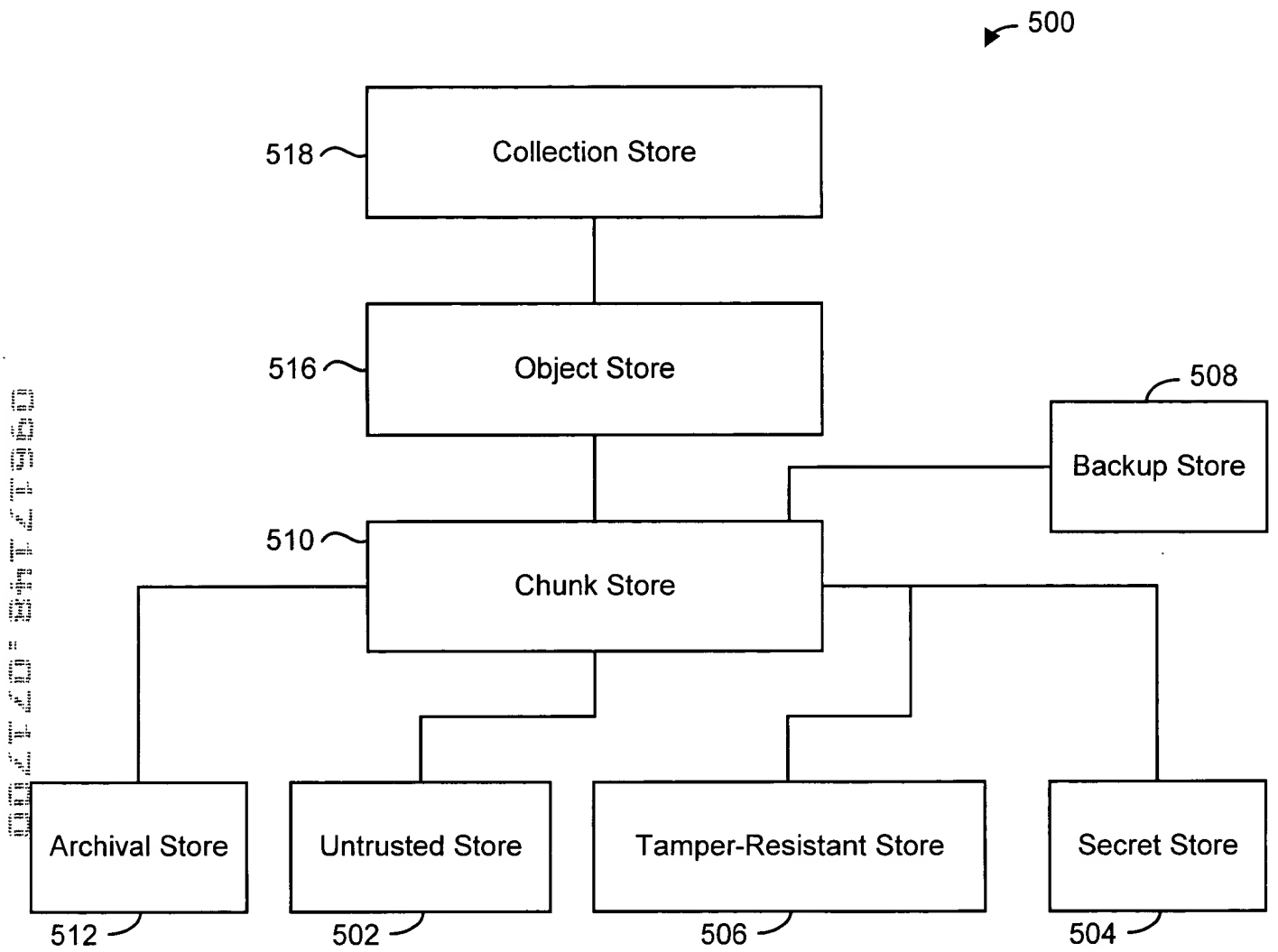


Fig. 5

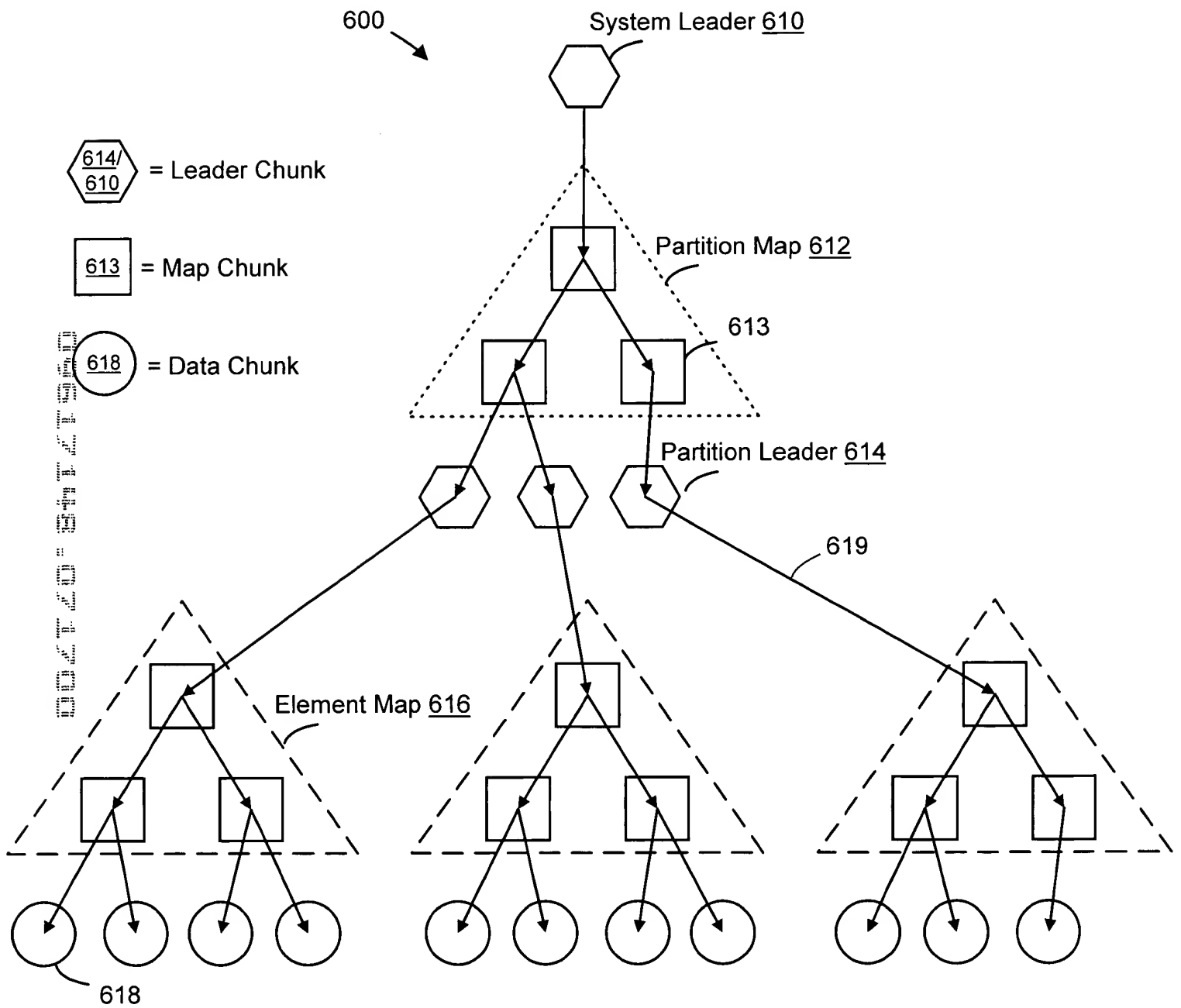


Fig. 6

613

Descriptor Table -- 702	
Chunk Location -- 710	Chunk Hash -- 712
704a Loc ₁	Hash ₁
704b
Loc _n	Hash _n

Fig. 7A

614

722	-- Descriptor of Subtree Root (Location, Hash)
724	-- Encryption Used for Subtree (Algorithm, Key)
726	-- Hashing Algorithm Used for Subtree
730	-- Allocation Information (partition changes, free list head)
732	-- Subtree Copy Information
	...

Fig. 7B


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graph TD; Begin([Begin]) --> 802[Use Chunk's Element ID to Locate Chunk's Descriptor in Parent Chunk]; 802 --> 804[Read Chunk from Storage at the Location Specified by the Descriptor]; 804 --> 806[Decrypt Chunk Using Key Found in Partition Leader]; 806 --> 808[Compute Hash of Chunk]; 808 --> 810{Computed Hash = Descriptor's Hash?}; 810 -- Yes --> End([End]); 810 -- No --> 812[Invoke Tamper Response];
```

Fig. 8

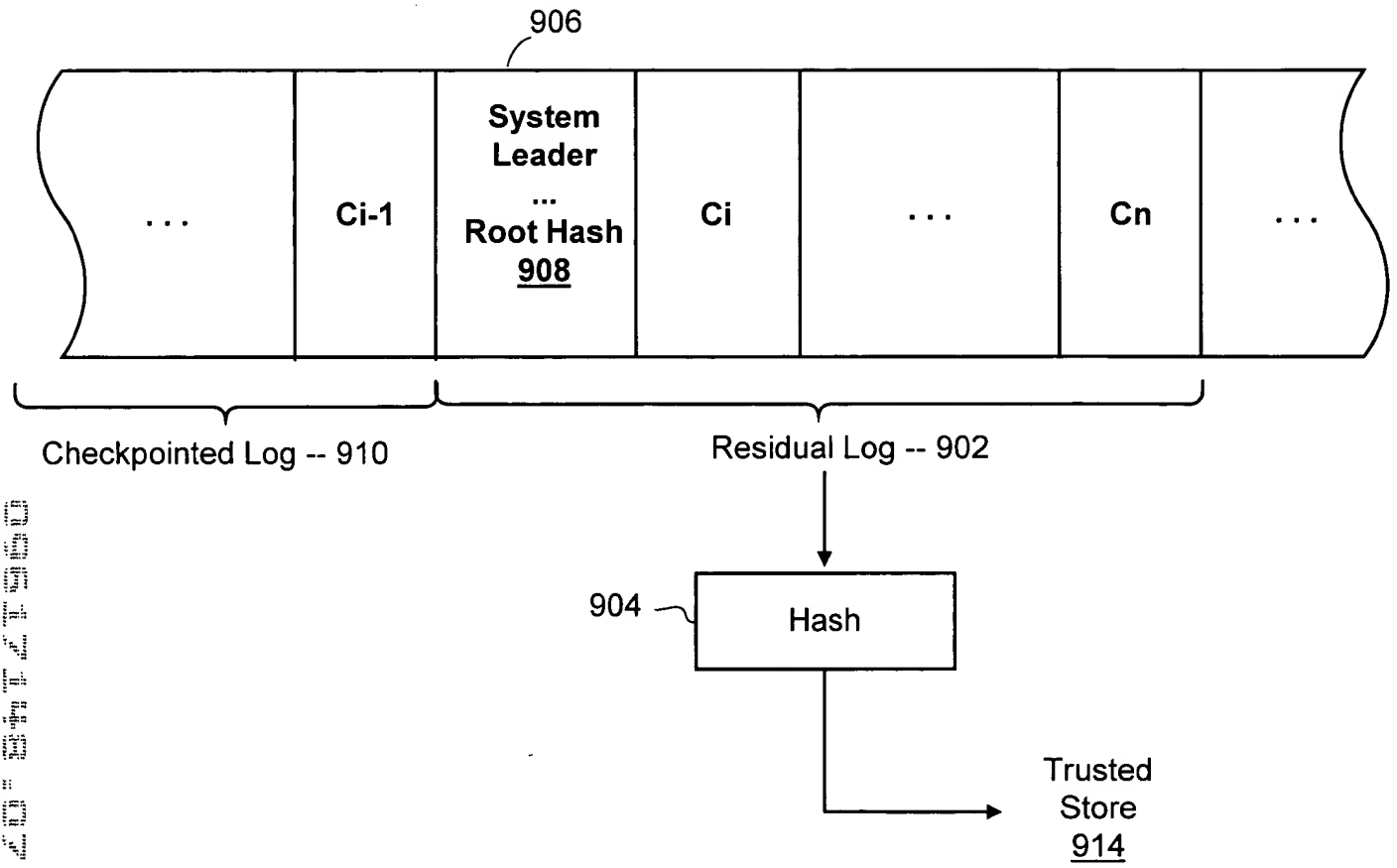


Fig. 9A

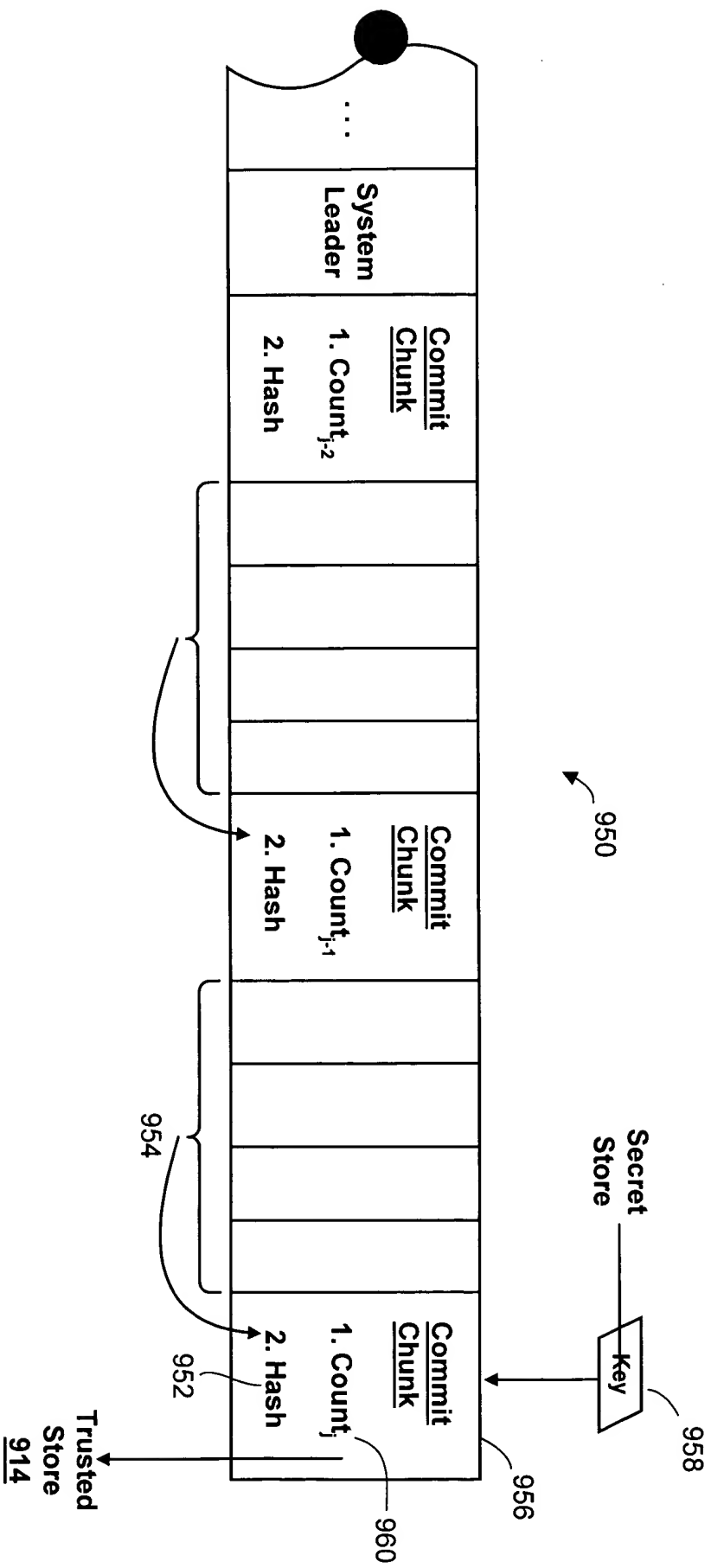


Fig. 9B - 000000

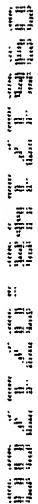


Fig. 10

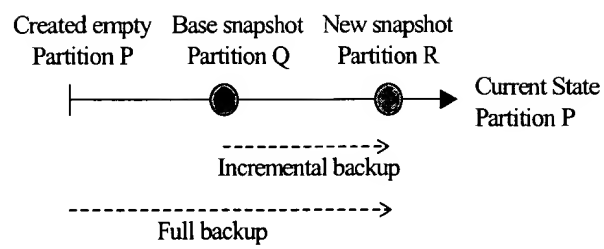


Fig. 11: Full and incremental backups.